

CLAIMS

1. A slip meter for measurement of surface slip resistance between a test specimen and a test surface, comprising: self-energized magnetic means for generating a linear force; positioning means on which the magnetic means is mounted for establishing contact of the test specimen with the test surface at an angle of incidence while said linear force is transmitted from the magnetic means to the test surface through the test specimen; and load sensing means connected to the test specimen for collecting and recording measurement data in response to said contact established between the test specimen and the test surface.
2. The slip meter as defined in claim 1, wherein said magnetic means comprises: a force exerting actuator rod pivotally interconnected between the positioning means and the test specimen; a magnetic coil through which the actuator rod extends; an electric power supplying battery; and switch means interconnecting the battery with the magnetic coil for exerting said linear force on the actuator rod applied to the test specimen.
3. The slip meter as defined in claim 2, wherein said test specimen comprises: an anchored strain arm displaced into engagement with the test surface by the actuator rod; and load cell means mounted on the strain arm and connected to the load sensing means for transmission of load sensing signals thereto.
4. The slip meter as defined in claim 1, wherein said test specimen comprises: an anchored strain arm displaced into engagement with the test surface by the magnetic means; and load cell

means mounted on the strain arm and connected to the load sensing means for transmission of load sensing signals thereto.